

Title (en)

Liquid crystal display device having two metastable states and its driving method

Title (de)

Flüssigkristallanzeigergerät mit zwei metastabilen Zuständen und Steuerverfahren dafür

Title (fr)

Dispositif d'affichage à cristaux liquides à deux phases métastables et sa méthode de commande

Publication

EP 0569029 B1 19980422 (EN)

Application

EP 93107467 A 19930507

Priority

- JP 11448092 A 19920507
- JP 14144292 A 19920602
- JP 18943792 A 19920716
- JP 21793292 A 19920817
- JP 32691492 A 19921207
- JP 32691592 A 19921207

Abstract (en)

[origin: EP0569029A2] A liquid crystal display device containing chiral nematic a liquid crystal having a twisted structure is provided with a period during which a pulse voltage is applied that brings about a Frederick's transition and a period during which a voltage pulse, which is selected using the critical value that generates one of the two metastable states as a reference, is applied, and it displays by switching between the bistable states. Thereby a high speed multiplex-driven liquid crystal display device capable of performing high precision display while maintaining high contrast and a wide viewing angle is achieved. <IMAGE>

IPC 1-7

G09G 3/36; **G02F 1/137**

IPC 8 full level

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CPC (source: EP)

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Cited by

EP1130568A3; EP0768557A4; US5521611A; US6037922A; EP1316941A3; EP0788088A3; US5995076A; EP0825583A3; EP0613116A3; US5684503A; US5835075A; US6252571B1; US6784968B1; US6236385B1; WO9910870A1; WO0052671A1; US7679593B2; US6954195B2

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